

Name _____

Calculating Density

A. Calculate the density of the following objects using the mass and volume given.

#		Mass (g)	Volume (cm ³)	Show Work Here	Density (g/ cm ³)
1		10	5		
2		56	4		
3		27	9		
4		48	2		
5		75	3		
6		100	4		
7		42	7		
8		30	6		
9		75	100		
10		5	10		

B. Calculate the missing variable (mass, volume, density) using the following equations:

$$D = M / V$$

$$M = V \times D$$

$$V = M / D$$

#		Mass (g)	Volume (cm ³)	Density (g/ cm ³)	Show Work Here
11		32	8		
12		10		2	
13			4	6	
14		72		8	
15			11	3	
16		65		5	
17		12	4		
18			6	7	
19		26	13		
20			15	4	